

SUPPORTING INFORMATION

Title: Structural Investigation in Solution of a Series of Five-Coordinate Bisphosphanylaryl Ruthenium(II) Complexes

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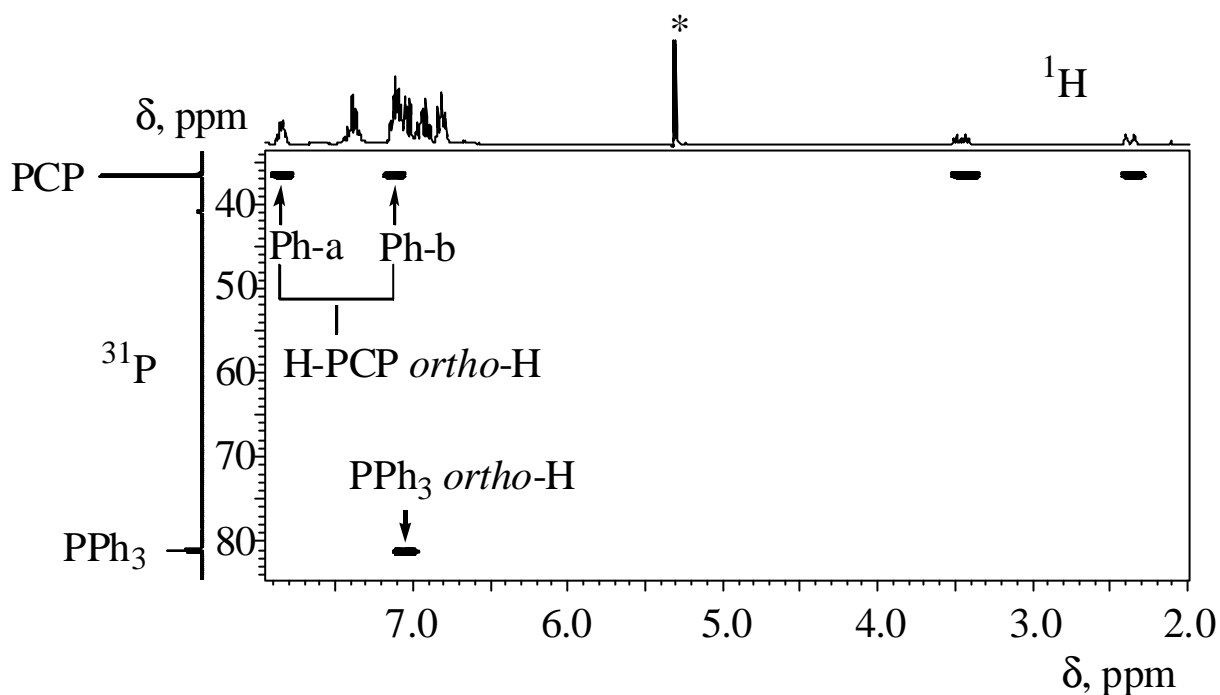


Figure 2: ^{31}P - ^1H -COSY NMR spectrum of **1** (300 MHz, CD_2Cl_2). (*) Solvent residue.

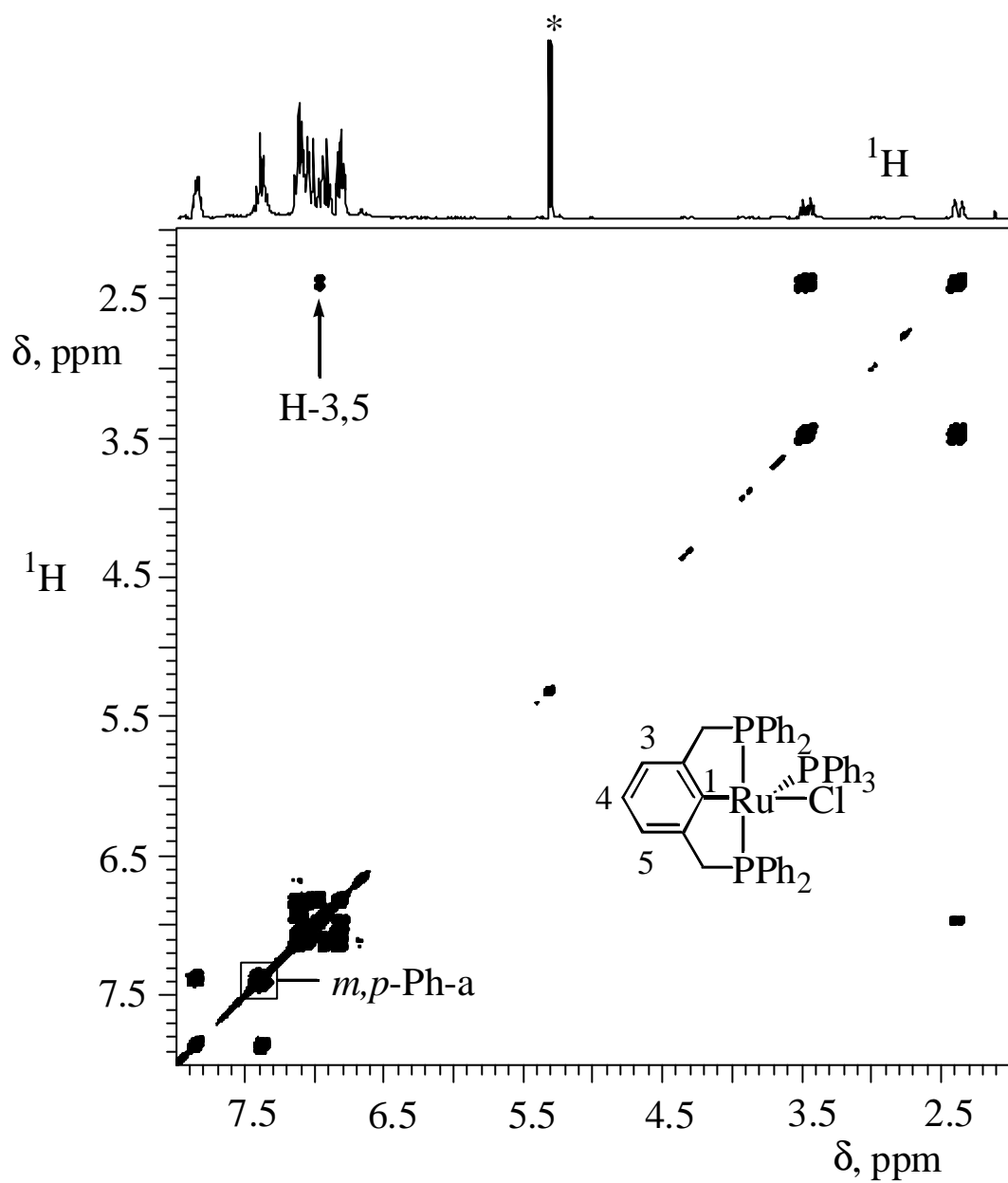


Figure 3: ^1H - ^1H -COSY-45 NMR spectrum of **1** (300 MHz, CD_2Cl_2). (*) Solvent residue.

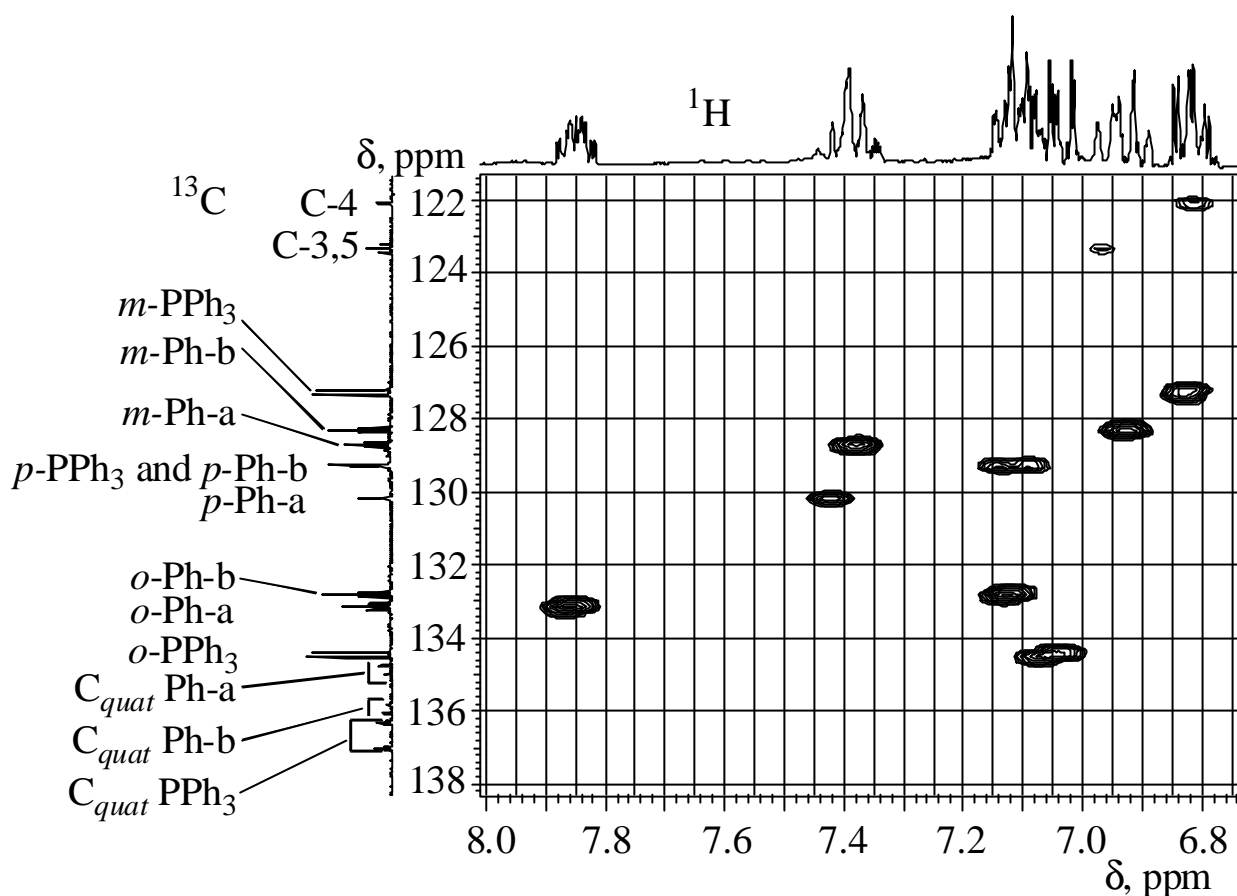


Figure 4: Part of the normal-range ^{13}C - ^1H -COSY NMR spectrum of **1** (the aromatic region; 300 MHz, CD_2Cl_2). The region above 138 ppm in the ^{13}C NMR spectrum (ordinate), containing the quaternary carbons C-2,6 and $\text{C}_{\text{ipso}}\text{-Ru}$, is not depicted. The lowest frequency line of the virtual triplet related to Ph-a- C_{quat} and the highest one related to the virtual triplet of Ph-b- C_{quat} are masked by the resonances of other carbons.

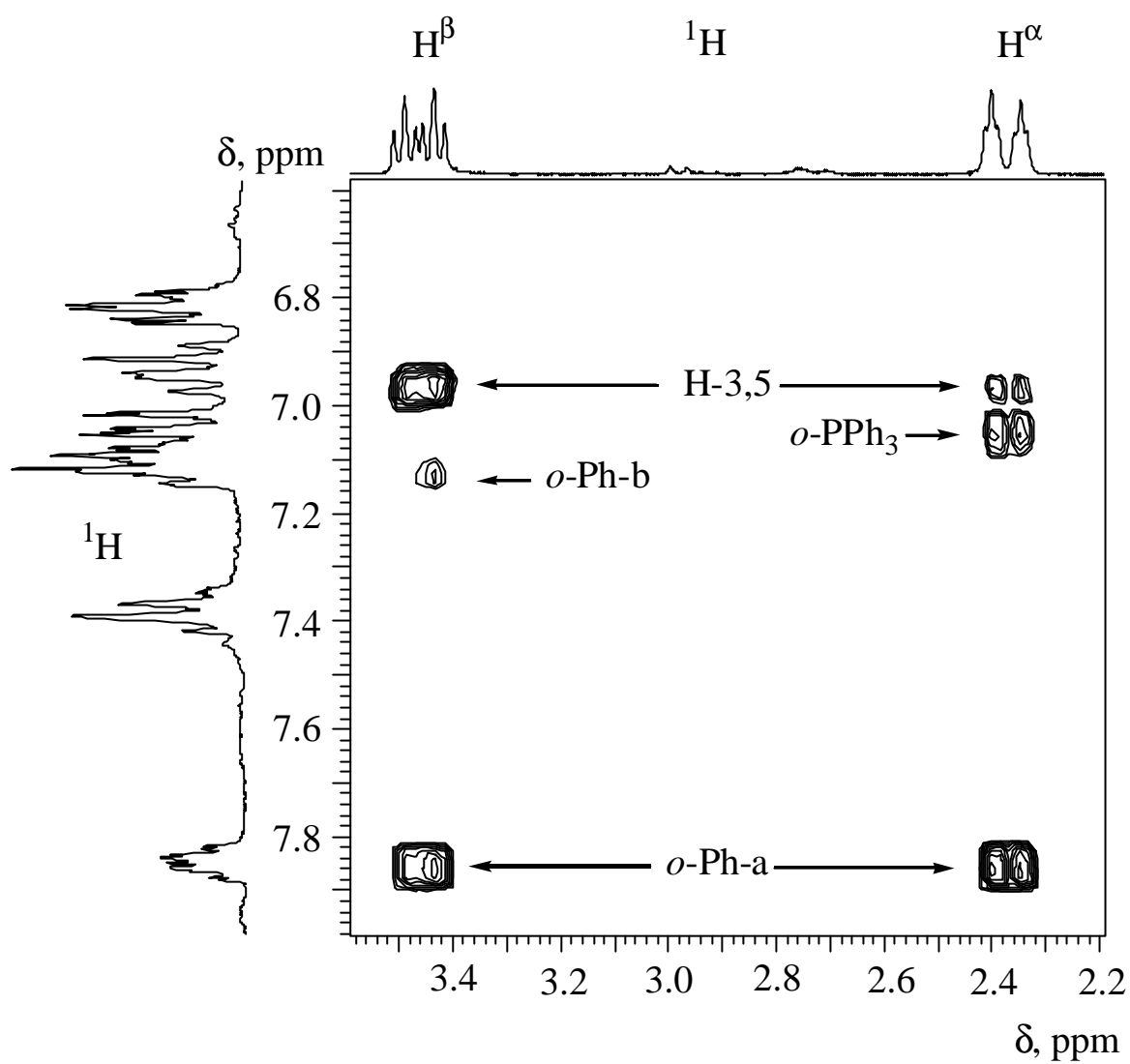


Figure 5: Section of the phase-sensitive ^1H NOESY spectrum of **1** showing NOE cross-peaks involving aromatic (ordinate) and benzylic (abscissa) protons (300 MHz, CD_2Cl_2).